

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for STA to use E110104 for NSS-7 drift from 22 WL to 20 WL

1. Applicant

Name:	SES Americom, Inc.	Phone Number:	202-478-7137
DBA Name:		Fax Number:	202-478-7101
Street:	1129 20th Street NW Suite 1000	E-Mail:	daniel.mah@ses.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036
Attention:	Daniel C.H. Mah		

With conditions

File # SES-STA 2012 0426-00400

Call Sign E110104 Grant Date 5/17/2012
(or other identifier)

Term Dates

From 5/18/2012 To: 6/16/2012

Approved: *Daniel C.H. Mah*



SES Americom Inc.
E110104
SES-STA-20120426-00400
Special Temporary Authority

SES Americom Inc. is granted, under the following conditions, Special Temporary Authority for 30 days, from May 18, 2012 through June 16, 2012 to use its Bristow, VA earth station to communicate with NSS-7 satellite¹, Call Sign S2463, as the satellite drifts from 338.0° E.L to 340.0° E.L. to provide Tracking, Telemetry and Command and carry customer traffic during and after its relocation on frequencies 10.95 -11.20 GHz, 11.45-12.20 GHz, and 14.00-14.50 GHz:

- 1) The use of the band 10.7-11.7 GHz (space-to-Earth) and 12.75-13.25 GHz (Earth-to-space) by the fixed-satellite service in the geostationary satellite orbit shall be limited to international systems, i.e. other than domestic systems. (NG104).
- 2) SES Americom Inc., E110104, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
- 3) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending SES Americom Inc. applications.
- 4) Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at SES Americom Inc. risk.
- 5) This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.



File # SES-STA-20120426-00400
Call Sign E110104 Grant Date 5/17/2012
(or other identifier)
Term Dates
From 5/18/2012 To: 6/16/2012
Approved: Paul E. Haeb

¹ NSS-7 is to replace the current NSS-5 satellite, Call Sign S2801, at orbital location 340.0° E.L.

2. Contact	
Name: Karis A. Hastings	Phone Number: 202-599-0975
Company: SatCom Law LLC	Fax Number:
Street: 1317 F Street, N.W. Suite 400	E-Mail: karis@satcomlaw.com
City: Washington	State: DC
Country: USA	Zipcode: 20004 -
Attention:	Relationship: Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):	
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date 05/18/2012	
7. City/Bristow	
8. Latitude (dd mm ss.s h) 38 47 0.6 N	

9. State VA	10. Longitude (dd mm ss.s h) 77 34 25.4 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">SES Americom, Inc. requests STA for 30 days beginning May 18, 2012, to allow E110104 to communicate with NSS-7 to provide TT&C and carry customer traffic during and after the planned relocation of NSS-7 from 22 W.L. to 20 W.L.</div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Daniel C.H. Mah	15. Title of Person Signing Regulatory Counsel
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

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**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554**

In the Matter of Application by)
SES AMERICOM, INC.) Call Sign E110104
For Special Temporary Authority to)
Communicate with NSS-7)
During and After Relocation)

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

By this application, SES Americom, Inc. (“SES Americom,” doing business as “SES”) respectfully requests special temporary authority (“STA”) for a period of up to 30 days, beginning on or about May 18, 2012, to allow its Bristow, VA earth station (call sign E110104) to communicate with the NSS-7 spacecraft in order to provide Tracking, Telemetry and Command (“TT&C”) and carry customer traffic during and after the planned relocation of the spacecraft from 22° W.L. to 20° W.L. As discussed below, grant of the requested authority is in the public interest.

NSS-7 is a Netherlands-licensed fixed satellite service (“FSS”) spacecraft that is currently on the Commission’s Permitted Space Station List (“Permitted List”) for operations in the conventional C- and Ku-bands at 22° W.L.¹ NSS-7 is being replaced at that location by SES-

¹ See *New Skies Satellites N.V.*, 17 FCC Rcd 10369 (IB 2002) (“*NSS-7 Order*”) (adding NSS-7 to the Permitted List for operations at 21.5° W.L.), as modified by File No. SAT-PDR-20020930-00179, grant-stamped May 29, 2003 (updating the Permitted List to reflect relocation of NSS-7 to 22° W.L.).

4, which was successfully launched in mid-February, has completed testing, and is now in position and operational at 22° W.L.²

Over the coming weeks, most of the traffic carried on NSS-7 will be transferred to SES-4, making NSS-7 available for redeployment to 20° W.L., where it will replace NSS-5. SES Americom's affiliate, New Skies Satellites B.V., has applied to the Commission for modification of the terms pursuant to which the NSS-7 satellite is authorized to serve the U.S. in order to reflect the planned relocation of the satellite to 20° W.L.³ The NSS-7 Modification requests that the Commission modify the Permitted List to include the NSS-7 conventional C-band payload (3700-4200 MHz downlink; 5925-6425 MHz uplink), a portion of the conventional Ku-band payload (11.95-12.2 GHz downlink), and specified TT&C frequencies⁴ for operations at 20° W.L. As in the case of the NSS-5 satellite currently operating at 20° W.L., other Ku-band frequencies (10.95-11.2 GHz, 11.45-11.95 GHz and 12.5-12.75 GHz downlink; 14.0-14.5 GHz uplink) will be operated by Intelsat in accordance with an agreement between SES and Intelsat.⁵

² The Commission has placed SES-4 on the Permitted List. *See* New Skies Satellites N.V., File No. SAT-PPL-20110620-00112, grant-stamped Mar. 15, 2012.

³ *See* New Skies Satellites N.V., File No. SAT-MPL-20120215-00017, call sign S2463 (the "NSS-7 Modification"). The Commission placed the NSS-7 Modification on public notice on April 6, 2012. *See* Policy Branch Information, Satellite Space Applications Accepted for Filing, Report No. SAT-00858, Apr. 6, 2012 ("April 6 Public Notice").

⁴ The NSS-7 TT&C frequencies are as follows:
Command: 14496.0 and 14499.0 MHz (vertical polarization; uplink)
Telemetry/Tracking: 11451.0 and 11454.0 MHz (horizontal polarization; downlink)
Tracking Beacon: 4199.5 MHz (vertical polarization; downlink).

⁵ The NSS-5 C-band payload operates pursuant to Netherlands authority and is on the Permitted List for service to U.S. earth stations. Under an agreement between SES and Intelsat, the NSS-5 Ku-band payload is operated by Intelsat pursuant to a U.S. license. *See* New Skies Satellites B.V., Call Sign S2802, File Nos. SAT-PPL-20091208-00142 & SAT-APL-20100219-00034, grant-stamped June 4, 2010; *Intelsat License LLC*, Call Sign S2801, File No. SAT-A/O-20091208-00141, grant-stamped June 4, 2010.

Intelsat has separately filed an application for a U.S. license at 20° W.L. for these remaining NSS-7 Ku-band frequencies.⁶

The E110104 earth station is currently licensed to communicate in the conventional Ku-band with all U.S.-licensed satellites and all satellites on the Permitted List, including NSS-7 at 22° W.L.⁷ It is also licensed to communicate in the extended Ku-band with both the NSS-7 and SES-4 satellites at 22° W.L. SES here seeks STA to permit the earth station to communicate with NSS-7 during and after relocation of the satellite from 22° W.L. to 20° W.L. Transmissions from the E110104 earth station to NSS-7 during the relocation will fully conform to the terms of the E110104 license. Complete technical information regarding NSS-7, including operational parameters at both 22° W.L. and 20° W.L., is on file with the Commission.⁸

The proposed communication with NSS-7 during and after its planned relocation will not adversely affect adjacent satellite operations. There are no satellites located between 22° W.L. and 20° W.L. As discussed above, SES operates the SES-4 satellite at 22° W.L., and SES and Intelsat operate the payloads of NSS-5 at 20° W.L. pursuant to an agreement between the companies. Intelsat also operates the adjacent satellites on either side of these locations, Intelsat 905 at 24.5° W.L. and Intelsat 901 at 18° W.L. SES and Intelsat will coordinate to ensure that no harmful interference occurs from the operations described in this STA request.

⁶ See Intelsat License LLC, File No. SAT-RPL-20120216-00018, call sign S2854 (the “NSS-7 License Application.” The NSS-7 License Application also appeared on the April 6 Public Notice.

⁷ See File No. SES-LIC-20110715-00830 (Call Sign E110104), granted Mar. 27, 2012, at Section D.

⁸ See NSS-7 Modification; NSS-7 License Application. See also *NSS-7 Order*; File No. SAT-PDR-20020930-00179.

Furthermore, SES will accept interference from any regularly authorized network and will terminate operations if SES is notified that such a network is experiencing harmful interference.

Authorizing E110104 to communicate with NSS-7 during and after the planned relocation of the satellite will serve the public interest. Grant of the requested STA will permit SES to use this earth station to provide TT&C for the planned relocation, facilitating safe operation of the spacecraft. In addition, it will allow SES to provide service continuity to customers that will be remaining on NSS-7 instead of transferring to SES-4.

SES hereby certifies that no party to this application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862.

For the foregoing reasons, SES respectfully requests special temporary authority to allow its E110104 earth station to communicate with NSS-7 during and after the planned relocation of the spacecraft from 22° W.L. to 20° W.L. for 30 days commencing on or about May 18, 2012, in order to perform TT&C and provide customer service as described herein.

Respectfully submitted,

SES AMERICOM, INC.

By: /s/ Daniel C.H. Mah

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